SEARCH NOTES 10/735,439


```
> d his nofil

     (FILE 'HOME' ENTERED AT 09:39:49 ON 26 APR 2006)

     FILE 'REGISTRY' ENTERED AT 09:40:12 ON 26 APR 2006
                E 3,3,14,14-TETRAMETHYL/CN
L1            1 SEA ABB=ON  PLU=ON  "3,3,14,14-TETRAMETHYLHEXADECANEDIOIC
                ACID"/CN
                D SCA
                D
L2              STR 87272-20-6
L3            0 SEA FAM SAM L2
L4            1 SEA FAM FUL L2

     FILE 'HCAPLUS' ENTERED AT 09:42:15 ON 26 APR 2006
L5           43 SEA ABB=ON  PLU=ON  L4

     FILE 'MEDLINE, EMBASE, BIOSIS' ENTERED AT 09:43:02 ON 26 APR 2006
L6           65 SEA ABB=ON  PLU=ON  L4

     FILE 'HCAPLUS' ENTERED AT 09:43:12 ON 26 APR 2006
                E SYNDROME X/CT
                E E3+ALL
                E E2+ALL
L7         2863 SEA ABB=ON  PLU=ON  "DISEASE, ANIMAL (L) METABOLIC SYNDROME
                X"+PFT,NT/CT
                E DYSLIPOPROTEINEM/CT
                E E4+ALL
                E E2+ALL
L8          227 SEA ABB=ON  PLU=ON  "LIPOPROTEINS (L) DYSLIPOPROTEINEMIA"+PFT,N
                T/CT
                E PLASMA TRIGLYCERIDES/CT
                E E3+ALL
                E E2+ALL
L9        20505 SEA ABB=ON  PLU=ON  "GLYCERIDES (L) BLOOD"+PFT,NT/CT
                E HDL CHOLESTEROL/CT
                E HDL/CT
                E E3+ALL
                E CHOLESTEROL/CT
                E E3+ALL
                E HDL/CT
                E E3+ALL
                E E2+ALL
L10       24207 SEA ABB=ON  PLU=ON  "LIPOPROTEINS (L) HIGH-D."+PFT,NT/CT
L11      208295 SEA ABB=ON  PLU=ON  (L7 OR L8 OR L9 OR L10) OR SYNDROM?(2A)X
                OR TRIGLYCERID? OR HDL OR CHOLESTEROL? OR DYSLIPOPROT?
L12          19 SEA ABB=ON  PLU=ON  L4 AND L11

     FILE 'MEDLINE' ENTERED AT 09:49:56 ON 26 APR 2006
L13          28 SEA ABB=ON  PLU=ON  L4
                E SYNDROME X/CT

     FILE 'MEDLINE, EMBASE, BIOSIS' ENTERED AT 09:50:33 ON 26 APR 2006
L14          65 SEA ABB=ON  PLU=ON  L4
L15      528315 SEA ABB=ON  PLU=ON  SYNDROM?(2A) X OR TRIGLYCERID? OR HDL OR
                CHOLESTEROL? OR DYSLIPOPROT? OR HIGH(3A)(D OR DENS?)(3A)(LIP?
                OR CHOLESTER?)
L16          27 SEA ABB=ON  PLU=ON  L14 AND L15
```

```
=> fil hcap
FILE 'HCAPLUS' ENTERED AT 09:52:42 ON 26 APR 2006
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FILE COVERS 1907 - 26 Apr 2006  VOL 144 ISS 18
FILE LAST UPDATED: 25 Apr 2006  (20060425/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> d que stat l12
L2                STR
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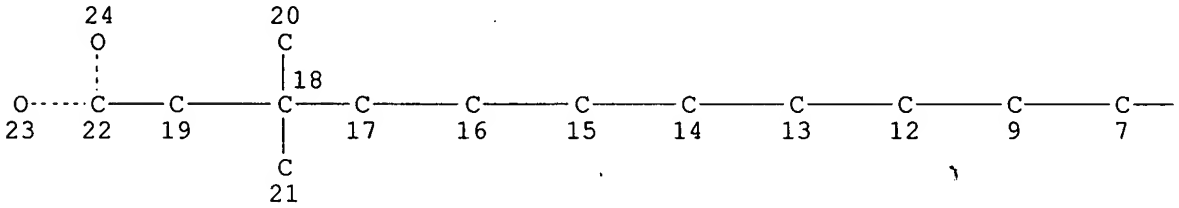
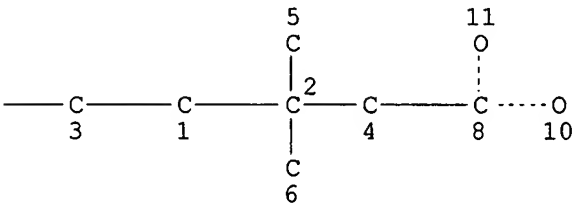


Page 1-A

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Page 1-B
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  24

STEREO ATTRIBUTES: NONE
L4             1 SEA FILE=REGISTRY FAM FUL L2
L7          2863 SEA FILE=HCAPLUS ABB=ON  PLU=ON  "DISEASE, ANIMAL (L) METABOLIC
                 SYNDROME X"+PFT,NT/CT
```

```
L8          227 SEA FILE=HCAPLUS ABB=ON  PLU=ON  "LIPOPROTEINS (L) DYSLIPOPROTE
                INEMIA"+PFT,NT/CT
L9        20505 SEA FILE=HCAPLUS ABB=ON  PLU=ON  "GLYCERIDES (L) BLOOD"+PFT,NT/
                CT
L10       24207 SEA FILE=HCAPLUS ABB=ON  PLU=ON  "LIPOPROTEINS (L) HIGH-D."+PFT
                ,NT/CT
L11      208295 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L7 OR L8 OR L9 OR L10) OR
                SYNDROM?(2A)X OR TRIGLYCERID? OR HDL OR CHOLESTEROL? OR
                DYSLIPOPROT?
L12          19 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L4 AND L11


=> fil medline embase biosis
FILE 'MEDLINE' ENTERED AT 09:52:55 ON 26 APR 2006

FILE 'EMBASE' ENTERED AT 09:52:55 ON 26 APR 2006
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FILE 'BIOSIS' ENTERED AT 09:52:55 ON 26 APR 2006
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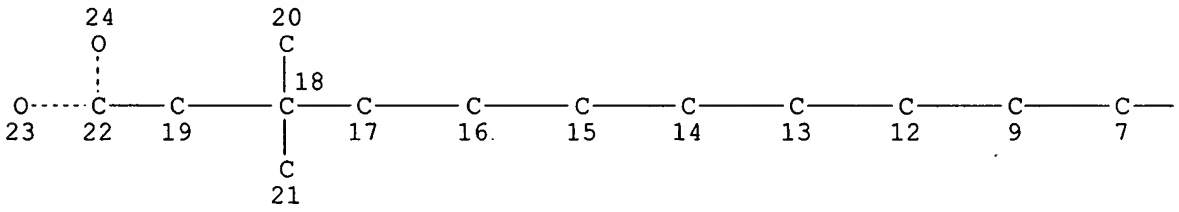
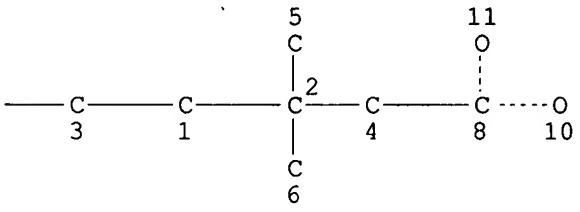
=> d que stat l16
L2              STR
```



Page 1-A

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Page 1-B
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  24

STEREO ATTRIBUTES: NONE
L4            1 SEA FILE=REGISTRY FAM FUL L2
L14          65 SEA L4
L15      528315 SEA SYNDROM?(2A) X OR TRIGLYCERID? OR HDL OR CHOLESTEROL? OR
                DYSLIPOPROT? OR HIGH(3A)(D OR DENS?)(3A)(LIP? OR CHOLESTER?)
L16          27 SEA L14 AND L15
```

```
=> dup rem l12 l16
FILE 'HCAPLUS' ENTERED AT 09:53:03 ON 26 APR 2006
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FILE 'MEDLINE' ENTERED AT 09:53:03 ON 26 APR 2006

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FILE 'BIOSIS' ENTERED AT 09:53:03 ON 26 APR 2006
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PROCESSING COMPLETED FOR L12
PROCESSING COMPLETED FOR L16
L17          26 DUP REM L12 L16 (20 DUPLICATES REMOVED)
                ANSWERS '1-19' FROM FILE HCAPLUS
                ANSWERS '20-21' FROM FILE MEDLINE
                ANSWERS '22-26' FROM FILE EMBASE

=> d l17 ibib abs hitind hitstr 1-26

L17  ANSWER 1 OF 26  HCAPLUS  COPYRIGHT 2006 ACS on STN DUPLICATE 1
ACCESSION NUMBER:        2005:1162213  HCAPLUS
DOCUMENT NUMBER:         144:408
TITLE:                   Transcriptional suppression of human microsomal
                         triglyceride transfer protein by hypolipidemic
                         insulin sensitizers
AUTHOR(S):               Sheena, Vered; Hertz, Rachel; Berman, Ina; Nousbeck,
                         Janna; Bar-Tana, Jacob
CORPORATE SOURCE:        Department of Human Nutrition and Metabolism, Hebrew
                         University Medical School, Jerusalem, 91120, Israel
SOURCE:                  Biochemical Pharmacology (2005), 70(11), 1548-1559
                         CODEN: BCPCA6; ISSN: 0006-2952
PUBLISHER:               Elsevier B.V.
DOCUMENT TYPE:           Journal
LANGUAGE:                English
AB   Microsomal triglyceride transfer protein (MTP) catalyzes the
     assembly and secretion of liver triglyceride-rich lipoproteins.
     The human MTP (hMTP) promoter activity is reported here to be suppressed
     by HNF-4α ligand antagonists (e.g., Medica analogs) or by
     PPARγ ligand agonists (e.g., thiazolidinediones), thus accounting
     for their hypolipidemic activity in humans.  Suppression of liver hMTP by
     Medica analogs or by thiazolidinediones was mediated by the TAAA sequence
     that serves as non-canonical TATA box of the hMTP core promoter.  MTP
     suppression was evident in the specific context of the wild type hMTP core
     promoter, but not in the context of the mutated rodent-conforming hMTP
     core promoter governed by a canonical TATA box conjoined with its proximal
     (-50/-38)DR-1 element.  HMTP suppression by Medica analogs or
     thiazolidinediones mediated by hMTP TAAA was independent of HNF-4α
     or PPARγ.  HMTP suppression by Medica analogs, but not by
     thiazolidinediones, was further complemented by inhibition of HNF-4α
     transcriptional activity transduced by the distal (-83/-70)DR-1 element of
     hMTP promoter.  HMTP promoter activity was unaffected by PPARα
     activation.  Furthermore, in contrast to hMTP, the promoter activity of
     the rodent-conforming hMTP was robustly activated by Wy-14,643-activated
     PPARα or by thiazolidinedione-activated PPARγ.
     Transcriptional activation by PPARα or PPARγ of the
     rodent-conforming, but not the wild type hMTP gene promoter, resulted from
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=> d his nofil

     (FILE 'HOME' ENTERED AT 11:25:02 ON 26 APR 2006)

     FILE 'HCAPLUS' ENTERED AT 11:25:14 ON 26 APR 2006
               E BAR-TANA/AU
               E BAR TANA/AU
L1          105 SEA ABB=ON  PLU=ON  ("BAR TANA J"/AU OR "BAR TANA JACOB"/AU)
               E BARTANA/AU

     FILE 'REGISTRY' ENTERED AT 11:26:23 ON 26 APR 2006
               E 3,3,14,14/CN
               E 3,3,14,14-TETRAMETHYL/CN
L2            1 SEA ABB=ON  PLU=ON  "3,3,14,14-TETRAMETHYLHEXADECANEDIOIC
                ACID"/CN

     FILE 'HCAPLUS' ENTERED AT 11:26:57 ON 26 APR 2006
L3           35 SEA ABB=ON  PLU=ON  L1 AND L2
L4           20 SEA ABB=ON  PLU=ON  L1 AND (SYNDROM?(2A)X OR DYSLIPOPROT? OR
                HDL OR CHOLESTEROL? OR TRIGLYCERID?)
L5           15 SEA ABB=ON  PLU=ON  L3 AND L4
L6           40 SEA ABB=ON  PLU=ON  L3 OR L4

=> d 16 ibib abs hitind 1-40

L6   ANSWER 1 OF 40  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2005:1162213  HCAPLUS
DOCUMENT NUMBER:          144:408
TITLE:                    Transcriptional suppression of human microsomal
                          triglyceride transfer protein by hypolipidemic
                          insulin sensitizers
AUTHOR(S):                Sheena, Vered; Hertz, Rachel; Berman, Ina; Nousbeck,
                          Janna; Bar-Tana, Jacob
CORPORATE SOURCE:         Department of Human Nutrition and Metabolism, Hebrew
                          University Medical School, Jerusalem, 91120, Israel
SOURCE:                   Biochemical Pharmacology (2005), 70(11), 1548-1559
                          CODEN: BCPCA6; ISSN: 0006-2952
PUBLISHER:                Elsevier B.V.
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
AB   Microsomal triglyceride transfer protein (MTP) catalyzes the
     assembly and secretion of liver triglyceride-rich lipoproteins.
     The human MTP (hMTP) promoter activity is reported here to be suppressed
     by HNF-4α ligand antagonists (e.g., Medica analogs) or by
     PPARγ ligand agonists (e.g., thiazolidinediones), thus accounting
     for their hypolipidemic activity in humans. Suppression of liver hMTP by
     Medica analogs or by thiazolidinediones was mediated by the TAAA sequence
     that serves as non-canonical TATA box of the hMTP core promoter. MTP
     suppression was evident in the specific context of the wild type hMTP core
     promoter, but not in the context of the mutated rodent-conforming hMTP
     core promoter governed by a canonical TATA box conjoined with its proximal
     (-50/-38)DR-1 element. HMTP suppression by Medica analogs or
     thiazolidinediones mediated by hMTP TAAA was independent of HNF-4α
     or PPARγ. HMTP suppression by Medica analogs, but not by
     thiazolidinediones, was further complemented by inhibition of HNF-4α
     transcriptional activity transduced by the distal (-83/-70)DR-1 element of
     hMTP promoter. HMTP promoter activity was unaffected by PPARα
     activation. Furthermore, in contrast to hMTP, the promoter activity of
     the rodent-conforming hMTP was robustly activated by Wy-14,643-activated
```